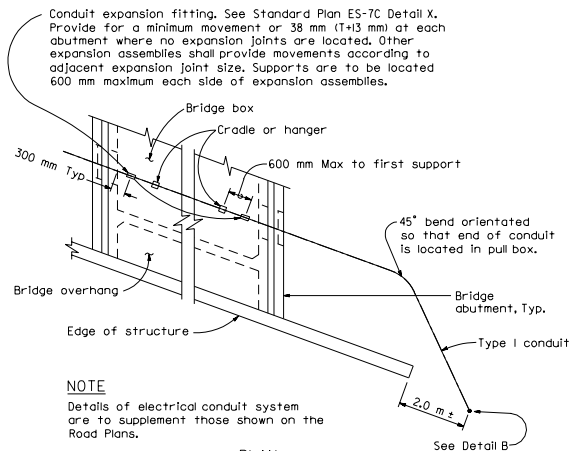




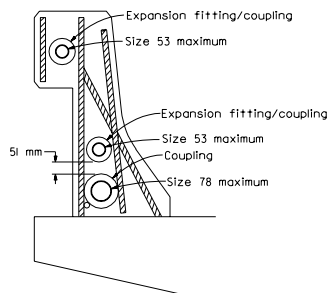
DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

Approved by *James L. L. L. L.*
 REGISTERED CIVIL ENGINEER
 July 1, 1999
 PLANS APPROVAL DATE
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

REGISTERED PROFESSIONAL ELECTRICAL ENGINEER
 J. L. L. L.
 No. 11803
 Exp. 9-30-00
 STATE OF CALIFORNIA



PLAN COMMUNICATION OR SPRINKLER CONTROL CONDUITS

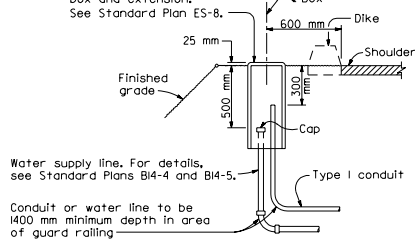


CONDUIT IN BRIDGE RAILING

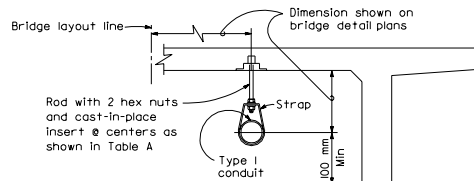
NOTES

- The maximum conduit sizes shown are for a straight run across the bridge without pull boxes.
- In a bridge railing with lighting standards or pull boxes, reduce size of affected conduits as needed.

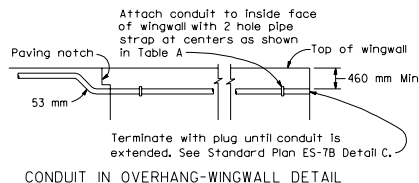
*5 Concrete pull box and extension. See Standard Plan ES-8.



DETAIL B



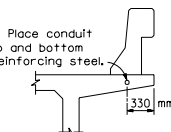
OTHER THAN BOX GIRDER CONDUIT HANGER SUPPORT DETAILS



CONDUIT IN OVERHANG-WINGWALL DETAIL

CONDUIT LOCATIONS

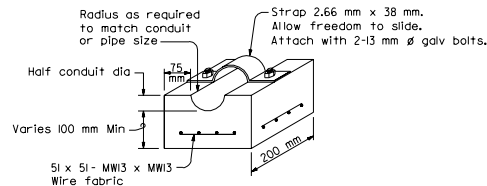
(For 53 mm conduit only except as noted)
For location see Bridge Detail plans.



CONDUIT IN OVERHANG

TABLE A

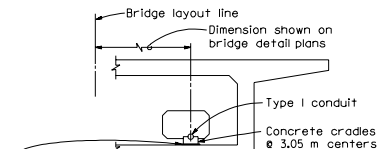
Conduit	Size 63 or less	Size 78	Size 91
Rod	10 mm Ø	13 mm Ø	16 mm Ø
Strap	2,28 mm x 25,4 mm	2,28 mm x 25,4 mm	2,66 mm x 38 mm
Support spacing	3,05 m	3,05 m	3,05 m



NOTES

- Cradles to be precast concrete.
- Secure all cradles to bottom slab of bridge with epoxy adhesive, except as provided below.

CONCRETE CRADLE



Under the first cradle support inside bridge near abutment or hinge, epoxy 12 gage galvanize steel sheet (800 mm x 400 mm) to the floor of cell. Do not secure cradle to steel sheet. Cradle shall be free to slide to accommodate lateral movement.

BOX GIRDER CONDUIT SUPPORT DETAILS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

COMMUNICATION AND SPRINKLER CONTROL CONDUITS (CONDUIT LESS THAN SIZE 103)

NO SCALE

ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

B14-3